

**PRELIMINARY**  
NOT FOR CONSTRUCTION

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**APEGM**  
Certificate of Authorization  
HDK Consulting Incorporated  
No. 5539 Date: 04/30/2015



5		
4		
3		
2	ISSUED FOR CONSTRUCTION	FEB 23/15
1	ISSUED FOR 95% REVIEW	DEC 22/14
0	ISSUED FOR 50% REVIEW	OCT 20/14
Revision	Description	Date

Client \_\_\_\_\_ client

**ROYAL CANADIAN MOUNTED POLICE D-DIVISION**

1091 PORTAGE AVENUE  
WINNIPEG, MANITOBA

Project \_\_\_\_\_ Project  
**WINNIPEG, MANITOBA  
1091 PORTAGE AVENUE  
D-DIVISION HEADQUARTERS  
FIRING RANGE UPGRADE**

Designed by RR/DH Conçu par

Drawn by RR Dessiné par

Approved by DH Approuvé par

PWSSC Project Manager Administrateur de Projets TPSGC  
**PAUL DUCHARME**

Drawing title Titre du dessin

**SUB-BASEMENT MECHANICAL DEMOLITION PLAN**

**PARTIAL PENTHOUSE MECHANICAL DEMOLITION PLAN**

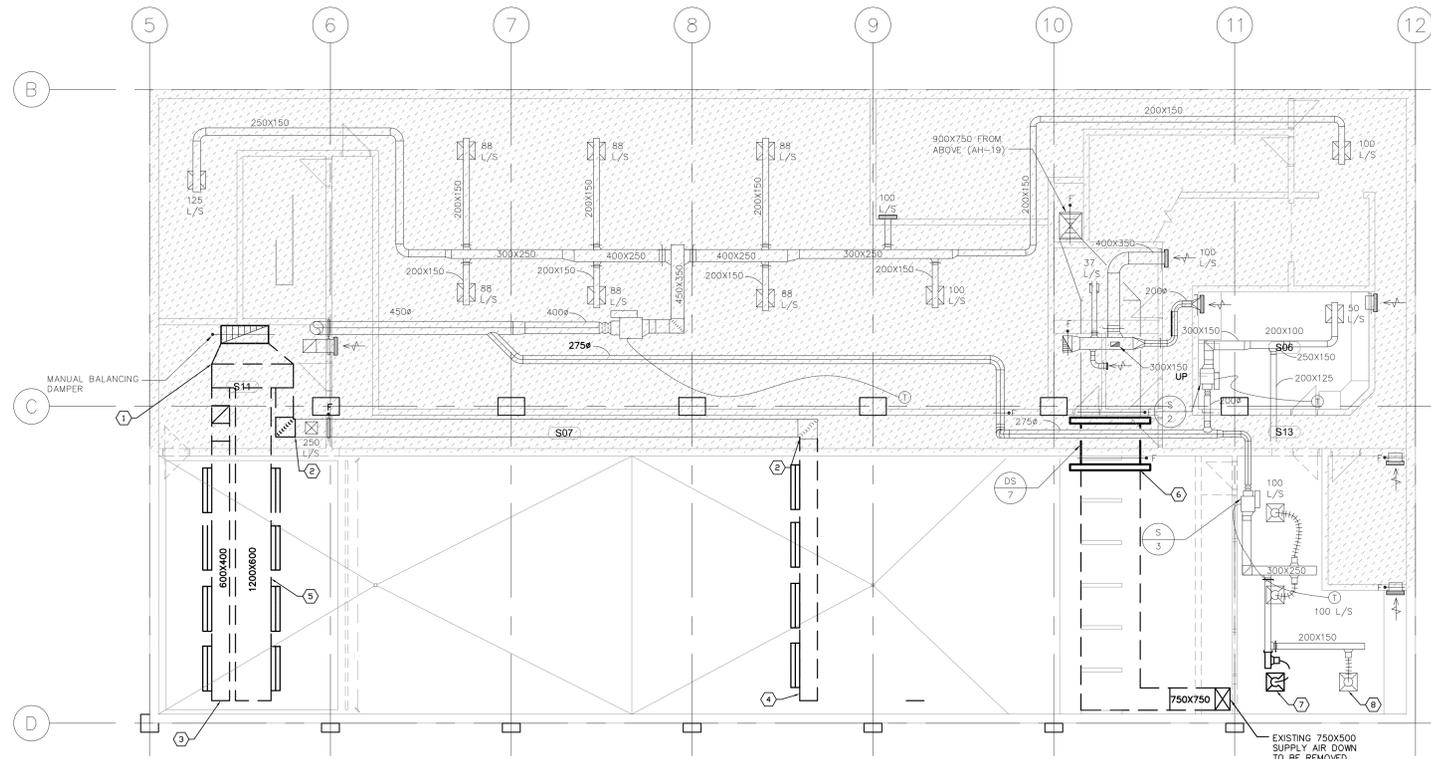
Project no./No. du projet Drawing no./No. du dessin Revision no.

**DM1.0**  
OF 04 **0**

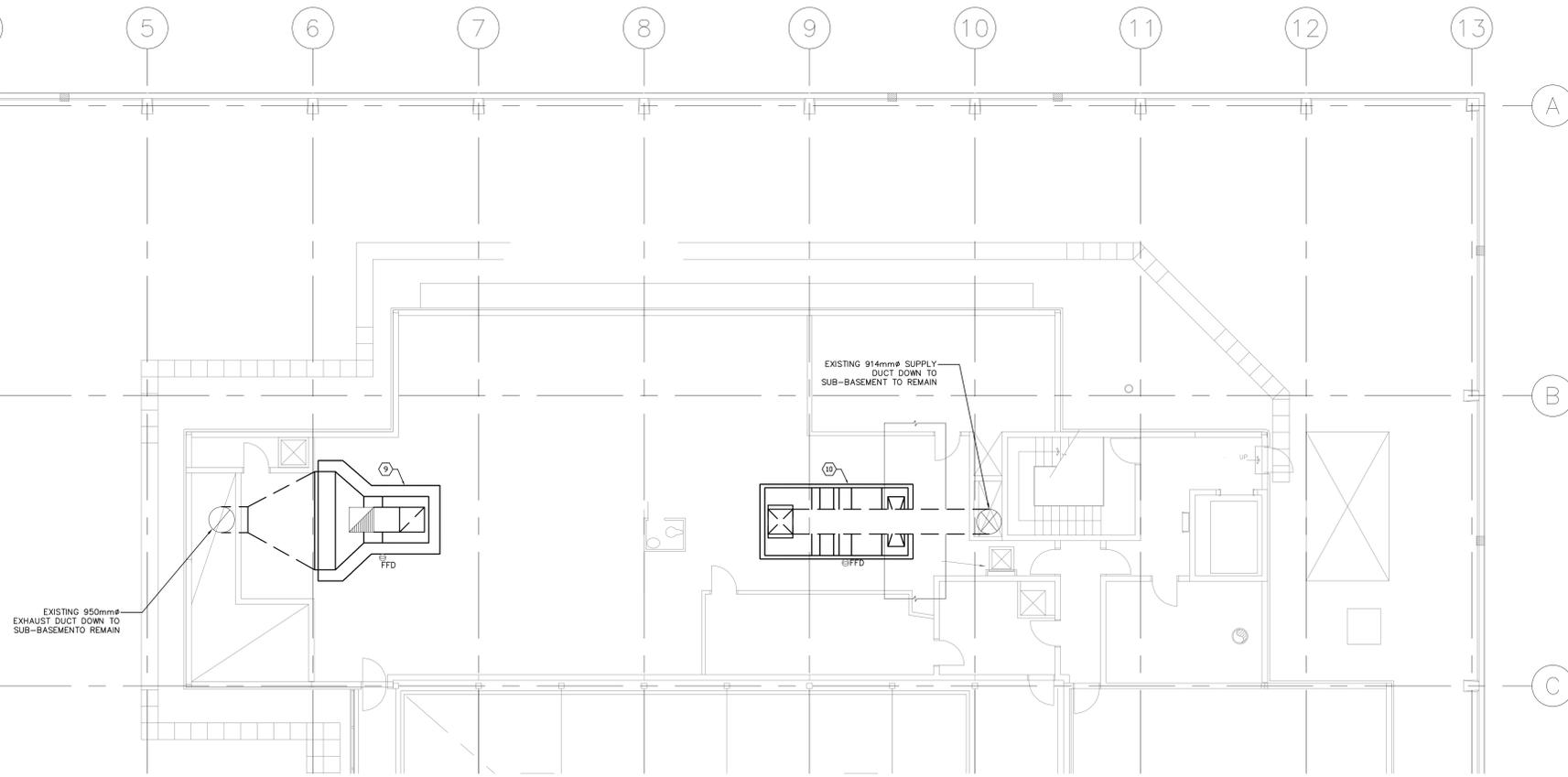
**DEMOLITION DRAWING NOTES:**

- REMOVE EXISTING MAIN EXHAUST DUCT APPROXIMATELY THIS LOCATION TO ALLOW FOR NEW CONNECTION. REFER TO DRAWING 1/M-1.0 FOR NEW DUCTING.
- CAP-OFF EXISTING 600x600mm EXHAUST DUCT APPROXIMATELY THIS LOCATION TO ALLOW FOR NEW CONNECTION. REFER TO DRAWING 2/M-1 FOR NEW DUCTING.
- EXISTING EXHAUST DUCT AT FLOOR LEVEL TO BE REMOVED.
- EXISTING 600x600mm EXHAUST DUCT AND 1500x150mm OPEN END DUCTS TYPICAL OF 4 TO BE DEMOLISHED.
- EXISTING 600x400mm, 1200x600mm EXHAUST DUCT AND OPEN END DUCTS TYPICAL OF 8 TO BE DEMOLISHED.
- REMOVE EXISTING 2000mmx500mm SUPPLY DUCT UP TO THIS POINT AND PREPARE FOR NEW CONNECTION.
- REMOVE EXISTING DIFFUSER AND DUCTWORK UP TO THIS POINT AND CAP DUCTWORK.
- BALANCE EXISTING FLOW FROM 100 L/S TO 133 L/S, TYPICAL OF 3 OUTLETS.
- EXISTING EXHAUST AHU-13 AND ASSOCIATED MAIN DUCTS TO BE REMOVED. TEMPORARILY CAP-OFF EXISTING HYDRONIC PIPING FOR RE-CONNECTION TO NEW UNITS.
- EXISTING SUPPLY AHU-09 AND ASSOCIATED MAIN DUCTS TO BE REMOVED. TEMPORARILY CAP-OFF EXISTING HYDRONIC AND STEAM PIPING FOR RE-CONNECTION TO NEW UNITS.

HVAC LEGEND	
	BALANCING DAMPER
	DAMPER MOTOR, ELECTRIC
	DAMPER MOTOR, PNEUMATIC
	BACKDRAFT DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	EQUIPMENT TAG
	THERMOSTAT
	HUMIDISTAT
	V.A.V. BOX SYMBOL
	FORCE FLOW HEATER DESIGNATION
	EQUIPMENT DESIGNATION
	EQUIPMENT NUMBER
	DESIGNATION NECK SIZE MAX. AIRFLOW (L/s)
	DIFFUSER/ GRILLE
	NEW DUCT
	NEW DUCT WITH ACOUSTIC LINING
	EXISTING DUCT
	EXISTING DUCT TO BE REMOVED
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	MITRED ELBOW W/TURNING VANES
	VOLUME EXTRACTOR
	DIFFERENTIAL PRESSURE SENSOR
	DIFFERENTIAL PRESSURE MONITOR



**1 SUB-BASEMENT – MECHANICAL DEMOLITION PLAN**  
DM-1 DM-1 1:100



**2 PARTIAL PENTHOUSE – MECHANICAL DEMOLITION PLAN**  
DM-1 DM-1 1:100